

Docket No: 04983.0207.00US00/38-10(15498)A
Application Serial No. 09/404,520

IN THE CLAIMS

29. (Amended) Computer readable medium having recorded thereon at least 100 of the nucleotide sequences depicted in SEQ ID NO: 16207 through SEQ ID NO: 27905 or complements thereof.

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30. (Amended) Computer readable medium according to claim 29, having recorded thereon at least 1000 said nucleotide sequences.

47. (New) Computer readable medium of claim 29 wherein said nucleotide sequences are selected from the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 26804 and complements thereof.

48. (New) Computer readable medium of claim 29 wherein said nucleotide sequences are selected from the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 25999 and complements thereof.

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49. (New) Computer readable medium of claim 29 wherein said nucleotide sequences are selected from the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 24034 and complements thereof.

50. (New) Computer readable medium of claim 29 wherein said nucleotide sequences are selected from the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 22709 and complements thereof.

51. (New) Computer readable medium of claim 29 wherein said nucleotide sequences are selected from the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 17680 and complements thereof.

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52. (New) Computer readable medium of claim 29 wherein said nucleotide sequences are selected from the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 17617 complements thereof.

53. (New) Computer readable medium of claim 29 wherein said nucleotide sequences are selected from the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 17294 and complements thereof.

54. (New) Computer readable medium comprising the nucleotide sequences of the group consisting of SEQ ID NO: 16207 through SEQ ID NO: 26804.

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correl.

55. (New) Computer readable medium of claim 29 which is adapted for homology searching of nucleotide sequence.

56. (New) Computer readable medium of claim 55 wherein said medium is adapted for homology searching using a BLAST algorithm.

57. (New) A computer based system comprising computer readable medium of claim 29, input means for receiving a target sequence, means for identifying fragments of sequence recorded in said computer readable medium which are homologous to a target sequence, and an output means for outputting identified homologous sequences.

58. (New) A method of identifying nucleotide sequence comprising comparing target sequence to a sequence stored in computer readable medium of claim 29.

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